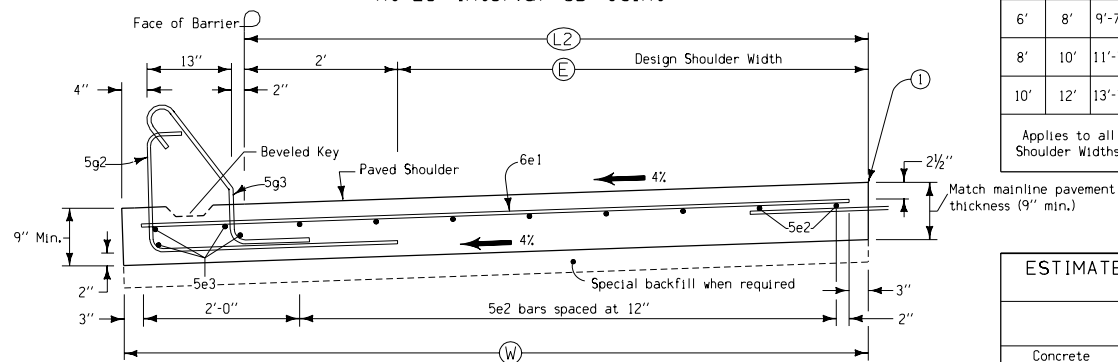
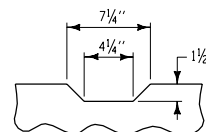


PLAN VIEW
At 20' Interval 'CD' Joint

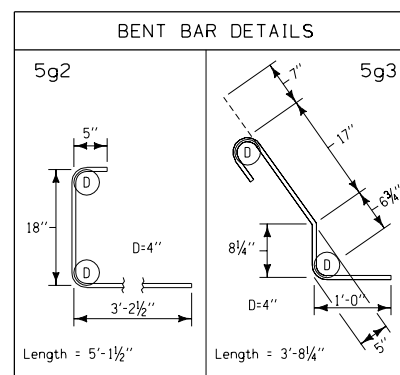


TYPICAL SECTION



Note:
Use 2 x 8 lumber 8" long to make keys.
Keys are to be placed at 2'-8" centers.

"BEVELED KEY"
CONSTRUCTION JOINT DETAILS



REINFORCING BAR LIST						
Per Shoulder Panel (Approximately 20 Linear Feet)						
Dimensions			Bar	Number of Bars	Length	Spacing
(E)	(L2)	(W)				
2'	4'	5'-7"	6e1	18	5'-1"	12"
			5e2	4	18'-0"	12"
4'	6'	7'-7"	6e1	18	7'-1"	12"
			5e2	6	18'-0"	12"
6'	8'	9'-7"	6e1	18	9'-1"	12"
			5e2	8	18'-0"	12"
8'	10'	11'-7"	6e1	18	11'-1"	12"
			5e2	10	18'-0"	12"
10'	12'	13'-7"	6e1	18	13'-1"	12"
			5e2	12	18'-0"	12"
Applies to all Shoulder Widths			5e3	4	18'-8"	See Drawing
			5g2	15	5'-1 1/2"	1'-4"
			5g3	15	3'-8 1/4"	1'-4"

GENERAL NOTES:

Details indicated hereon illustrate the general requirements for construction of a Reinforced Paved Shoulder to which a concrete barrier is connected. The paved shoulder shall consist of PCC Base in which Class 'C' Concrete is used. All joints shall be sealed as specified for "Portland Cement Concrete Pavement" in the current Standard Specifications.

Materials and methods of construction shall be in accordance with current Standard and Supplemental Specifications.

Slopes, dimensions and quantities indicated hereon are for a normal section as shown and are for design purposes. Shoulder construction details may be modified through superelevated curves or other areas specifically designated by the Engineer. Refer to typical cross sections and Standard Road Plans for superelevation.

Any special shaping of subgrade necessary, prior to construction of paved shoulders, shall be accomplished as directed by the Engineer. Any material removed due to this special shaping shall be disposed of at the direction of the Engineer.

"Special Backfill Material" shall be placed at a minimum depth of 6" where fill is needed and paid for as specified in Article 2102.14, Paragraph D.

If rumble strips are required by plan, see Standard Road Plan RH-41D for details of roughness pattern.

The price bid for "Reinforced Paved Shoulder," per square yard, shall be full compensation for construction of the paved shoulder as detailed hereon. This shall include:

- Furnishing and placement of P.C. Concrete Pavement
- Required pavement joints
- Epoxy coated reinforcing steel bars 5g2, 5g3, 6e1, 5e2 and 5e3

- 1 'L-2' or 'KT-2' Joint. When roadway pavement is existing, use 'BT-3' Joint. Refer to Standard Road Plan RH-51.
- 2 Match existing joint. Place 'CD' joint in shoulder. Refer to Standard Road Plan RH-50.
- 3 5g2 and 5g3 bars to be spaced at 1'-4".
- 4 No 'CD' joint baskets required within approximately 4' of edge of shoulder.
- 5 1'-6" clear from joint line.

(E) Design Shoulder Width.

(L2) Distance from edge of traveled way to face of barrier.

(W) = (E) + 3'-7".

Iowa Department of Transportation
Project Development Division

STANDARD ROAD PLAN RE-44F(2)

REVISION: Convert from New Jersey shape to F-shape barrier;
Revise notes and quantity box.

APPROVED BY: *John C. Chubb* 05-24-99
DESIGN METHODS ENGINEER

REINFORCED PAVED SHOULDER
FOR CONCRETE BARRIER
(PAGE 2 OF 2)

ESTIMATED QUANTITIES FOR SHOULDER					
Per Linear Foot					
	Width (W)				
	5'-7"	7'-7"	9'-7"	11'-7"	13'-7"
Concrete Sq. Yds.	0.62	0.84	1.06	1.29	1.51